

**WHAT IS CLAIMED IS:**

1. An ice rink comprising a luminescent skating surface, means including said luminescent surface defining a skating area, a source of ultraviolet light and means for directing ultraviolet light on said skating surface to thereby illuminate said skating surface with a low light level glow.

2. An ice rink according to claim 1, which includes a layer of natural ice and luminescent material disposed within said layer.

3. An ice rink according to claim 1, which includes a base layer of natural ice and a frozen coating which includes a luminescent material disposed therein on top of said base layer of ice.

4. An ice rink according to claim 1, in which said luminescent material is a fluorescent dye or pigment.

5. An ice rink according to claim 1, which includes a variable source of white light for illuminating the skating rink.

6. An ice rink according to claim 1, in which said luminescent skating surface comprises a plurality of synthetic resin panels each of which has a substantially planar upper major surface, a substantially planar lower major surface and peripheral sides extending therebetween, and means for maintaining said panels in a side-by-side juxtapositioned abutting relationship to thereby form a relatively smooth skating surface.

7. An artificial ice rink comprising a plurality of luminescent synthetic resin panels with each of said panels having a substantially planar upper major surface, a substantially planar lower major surface and peripheral sides extending therebetween and wherein said peripheral sides each define an elongated groove therein;  
5 a plurality of elongated splines;

said panels positioned adjacent to and abutting one another with adjacent panels being connected by means of one of said splines being mutually fitted into the respective grooves of adjacent sides to thereby form an upper skating surface;

- an outer frame disposed around and in contact with an outer periphery of said plurality  
10 of panels for maintaining said panels in an abutting relationship;  
a source of ultraviolet light; and  
means for directing ultraviolet light onto said skating surface to thereby illuminate said upper skating surface with a low light level glow.

8. An artificial ice rink in accordance with claim 7, in which said panels each have a generally rectangular shape and said elongated splines are metal.

9. An artificial ice rink according to claim 7, which includes frame adjustment means for forcing and maintaining said panels tightly together and for compensating for changes in temperature and in which said elongated splines are steel.

10. An artificial ice rink according to claim 9, which defines a generally rectangular skating surface.

11. An artificial ice rink according to claim 10, in which said frame adjustment means is operable on two sides of said generally rectangular surface.

12. An artificial ice rink according to claim 9, which includes a source of white light and means for directing white light onto the skating surface and in which said source of white light includes a rheostat.

13. An artificial ice rink according to claim 7, which includes a generally flat base for supporting said panels thereon.

14. An artificial ice rink comprising a plurality of synthetic resin panels, each of said panels having a substantially planar upper major surface, a substantially planar lower

surface and peripheral sides extending therebetween and wherein said peripheral sides each define an elongated groove therein;

5 a plurality of elongated splines;

said panels positioned adjacent to and abutting one another with adjacent panels being connected by means of one of said splines being mutually fitted into the respective grooves of adjacent sides to thereby form an upper skating surface; and

10 an outer frame disposed around and in contact with an outer periphery of said plurality of panels for maintaining said panels in an abutting relationship; and,

frame adjusting means for forcing and maintaining said panels tightly together and for compensating for changes in temperature.

15. An artificial ice rink according to claim 14, in which said splines are metal and in which said panels have a generally rectangular shape.

16. An artificial ice rink according to claim 15, in which said frame adjustment means is operable on two sides of the generally rectangular shape.

17. An artificial ice rink according to claim 15, in which said frame adjustment means is operable on four sides of the generally rectangular shape.

18. An artificial ice rink according to claim 16, which includes an outer frame about the outer periphery of the ice rink and in which said frame adjustment means includes a fixed frame member and a plurality of bolts engaging said outer frame for moving said frame in a lateral direction toward said fixed positioning members to eliminate spacing between said  
5 panels.

19. An artificial ice rink according to claim 18, which includes a generally flat base for supporting said panels thereon.